



Water cleanable silver composition

Description of Technology: The present invention is directed to a silver containing composition which is compatible with water and particularly to such compositions which form a film or coating on a substrate which prior to firing can be cleaned, i.e., removed with water.

Patent Listing:

1. **US Patent No. 5,756,008**, Issued May 26, 1998, "Water cleanable silver composition"
<http://patft.uspto.gov/netacgi/nph-Parser?Sect2=PTO1&Sect2=HITOFF&p=1&u=%2Fnetacgi%2FPTO%2Fsearch-bool.html&r=1&f=G&l=50&d=PALL&RefSrch=yes&Query=PN%2F5756008>

Market Potential: Environmental pressures have essentially eliminated the use of chlorinated organic solvents from the thick film industry. These solvents were widely used to clean equipment used in the thick film industry. Water cleanable compositions offer significant environmental advantages. Therefore, a need exists in formation of electrically conductive silver circuitry from a silver containing paste to be compatible with water. In the present invention, the use of organic solvents is minimized or eliminated together with a negative impact due to volatiles and/or organic contamination or a need for clean-up using organic solvents. Until now, the development of aqueous compatible silver containing compositions nevertheless has been unsatisfactory.

Benefits:

- Provides an organic solvent for the thick film industry

Applications:

- Silver composition comprising

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